

# Safety Data Sheet

According to Regulation (EC) 1907/2006



## 3124 Potassium Permanganate 0,02 mol \*(3,161g KMnO4) to prepare 1l of 0,1N solution

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Name:

Potassium Permanganate 0,02 mol \*(3,161g KMnO4) to prepare 1l of 0,1N solution

**Synonym:**

**REACH Registration Number:** A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) N° 1907/2006, the annual tonnage does not require a registration, the registration is envisaged for a later registration deadline or it is a mixture.

#### 1.2 Relevant identified uses of the substance or mixture:

For laboratory utilisation, analysis, research and fine chemistry.

#### 1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: [product.safety@panreac.com](mailto:product.safety@panreac.com)

#### 1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

### 2. Identification of dangers

Classification of the substance or the mixture.

**Classification Regulation (CE) n° 1272/2008.**

Aquatic Chronic 2

## Hazard Pictograms



### Signal word

Warning

### Hazard statements

H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

### Classification (67/548/CEE or 1999/45/CE).

N Dangerous for the environment

R51

For the full text of the R-phrases mentioned in this section, see section 16.

### 3. Composition/information on ingredients

Aqueous solution

Name: Potassium Permanganate 0,02 mol \*(3,161g KMnO<sub>4</sub>) to prepare 1l of 0,1N solution

Formula: KMnO<sub>4</sub> M.= 158,04 CAS [7722-64-7]

EC number (EINECS): 231-760-3

### Composition:

#### 0001: Potassium Permanganate

Formula: KMnO<sub>4</sub> M.= 158,04 CAS [7722-64-7]

EC number (EINECS): 231-760-3

EC index number: 025-002-00-9

REACH Registration Number: 01-2119480139-34-XXXX

**Content:** >= 5 % <= 10 %

### Classification Regulation (CE) n° 1272/2008.

Ox. Sol. 2

Acute Tox. 4

Aquatic Acute 1

Aquatic Chronic 1

## Hazard Pictograms



### Signal word

Danger

### Hazard statements

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

### Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P220 Keep/Store away from clothing/combustible materials.

P221 Take any precaution to avoid mixing with combustibles.

P264 Wash...thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 Rinse mouth.

P370+P378 In case of fire: Use for extinction.

P391 Collect spillage.

### Classification (67/548/CEE or 1999/45/CE).

**N** Dangerous for the environment

**Xn** Harmful

**O** Oxidizing

**R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**R22** Harmful if swallowed.

**R8** Contact with combustible material may cause fire.

## 4. First aid measures

### 4.1 General indications:

Never provide drink or induce vomiting in the event of loss of consciousness.

### 4.2 Inhaling:

Take the person out into the fresh air. In the event sickness persists, seek medical assistance.

### 4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

#### **4.4 Eyes:**

Wash with plenty of water, keeping eyelids open.

#### **4.5 Swallowing:**

Drink large amounts of water or milk. Induce vomiting. In the event of sickness, seek medical assistance. Stomach lavage.

### **5. Firefighting measures**

#### **5.1 Suitable extinguishing media:**

As appropriate to the environment.

#### **5.2 Unsuitable extinguishing media:**

No specific data.

#### **5.3 Special hazards arising from the substance or mixture:**

Incombustible.

#### **5.4 Advice for firefighters:**

Suitable clothing and footwear.

### **6. Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures:**

No special indications.

#### **6.2 Environmental precautions:**

Avoid pollution of the soil, water supplies and drains.

#### **6.3 Methods and material for containment and cleaning up:**

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

### **7. Handling and storage**

#### **7.1 Precautions for safe handling:**

No special indications.

#### **7.2 Conditions for safe storage, including any incompatibilities:**

Well sealed containers.

### **8. Exposure controls/personal protection**

#### **8.1 Exposure controls:**

No special indications.

#### **8.2 Control parameters:**

: Data not available.,

#### **8.3 Respiratory protection:**

In the event of fumes forming/aerosols, use suitable respiratory protection.

**8.4 Hand protection:**

Use suitable gloves

**8.5 Eye/face protection:**

Use suitable goggles.

**8.6 Individual hygiene measures:**

Remove contaminated clothing. Use suitable work clothing. Wash hands before breaks and when the job is done.

**8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

**9. Physical and chemical properties**

Appearance: N/A

Colour:

N/A

Granulometry: N/A

Odour: Odourless.

pH: ~8

Melting point/freezing point: N/A

Initial boiling point and boiling range:

N/A

Flash point:

N/A

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: N/A

Vapour density: N/A

Relative density:

N/A

Solubility: Miscible with water

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Kinematic viscosity: N/A

Dynamic viscosity:

N/A

**10. Stability and reactivity****10.1 Conditions to avoid:**

The product is chemically stable under standard ambient conditions (room temperature).

**10.2 Incompatible materials:**

No specific data.

**10.3 Hazardous decomposition products:**

No specific data.

#### **10.4 Chemical stability:**

No specific data.

### **11. Toxicological information**

#### **11.1 Acute toxicity:**

: Data not available.

#### **11.2 Dangerous effects for health:**

Irritations to the mucosae Upon contact with the skin: irritations Through contact with the eyes: irritations If swallowed: gastro-intestinal disorders Take the usual precautions for handling chemical products.

### **12. Environmental information**

#### **12.1 Toxicity:**

- **EC50 test (mg/l):**

- **Receptor medium:**

Risk for the water environment

Risk for the land environment

- **Observations:**

Bactericide effect. Generally toxic for water organisms.

#### **12.2 Persistence and Degradability :**

- **Test:**

BOD5

- **Biotic degradation classification:**

BOD5/COD

Biodegradability

- **Abiotic degradation depending on pH:**

- **Observations:**

#### **12.3 Bioaccumulative potential:**

- **Test:**

- **Bioaccumulation:**

Risk

- **Observations:**

#### **12.4 Mobility in soil :**

Data not available.

#### **12.5 Assessment PBT and MPMB :**

Data not available.

#### **12.6 Other adverse effects:**

Dangerous for drinking water.

Do not allow it to enter soils or water channels.

### **13. Disposal considerations**

### **13.1 Waste treatment methods:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

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### **13.2 Contaminated containers:**

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

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## **14. Transport information**

Overland (ADR):

Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

UN 3082 Class: 9 CONTAM. MAR Packaging group: III (E)

By sea (IMDG):

Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

UN 3082 Class: 9 CONTAM. MAR Packaging group: III

By air (ICAI-IATA):

Technical name: Environmentally hazardous substance, liquid, n.o.s.

UN 3082 Class: 9 CONTAM. MAR Packaging group: III

Packaging instructions: CAO 964 PAX 964

## **15. Regulatory information**

The substance is subject to Regulation (EC) No 273/2004 of the European Parliament and of the Council, of 11 February 2004 on drug precursors, Council Regulation (EC) No 111/2005 of 22 December 2004 laying down rules for the monitoring of trade between the Community and third countries in drug precursors, Commission Regulation (EC) No 1277/2005 of 27 July 2005 laying down implementing rules for Regulation (EC) No 273/2004 of the European Parliament and of the Council on drug precursors and for Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors.

## **16. Other information**

### **Other precautionary statements**

### **Labelling (65/548/CEE or 1999/45/CE)**

R-phrase(s): **R51** Toxic to aquatic organisms.

S-phrase(s): **S61** Avoid release to the environment. Refer to special instructions/safety data sheets.  
**S60** This material and its container must be disposed of as hazardous waste.

Version and revision date : 3 3.11.10

Date published: 3.11.10

In respect of the previous review, changes have been made to the following sections: 2, 3, 15

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.